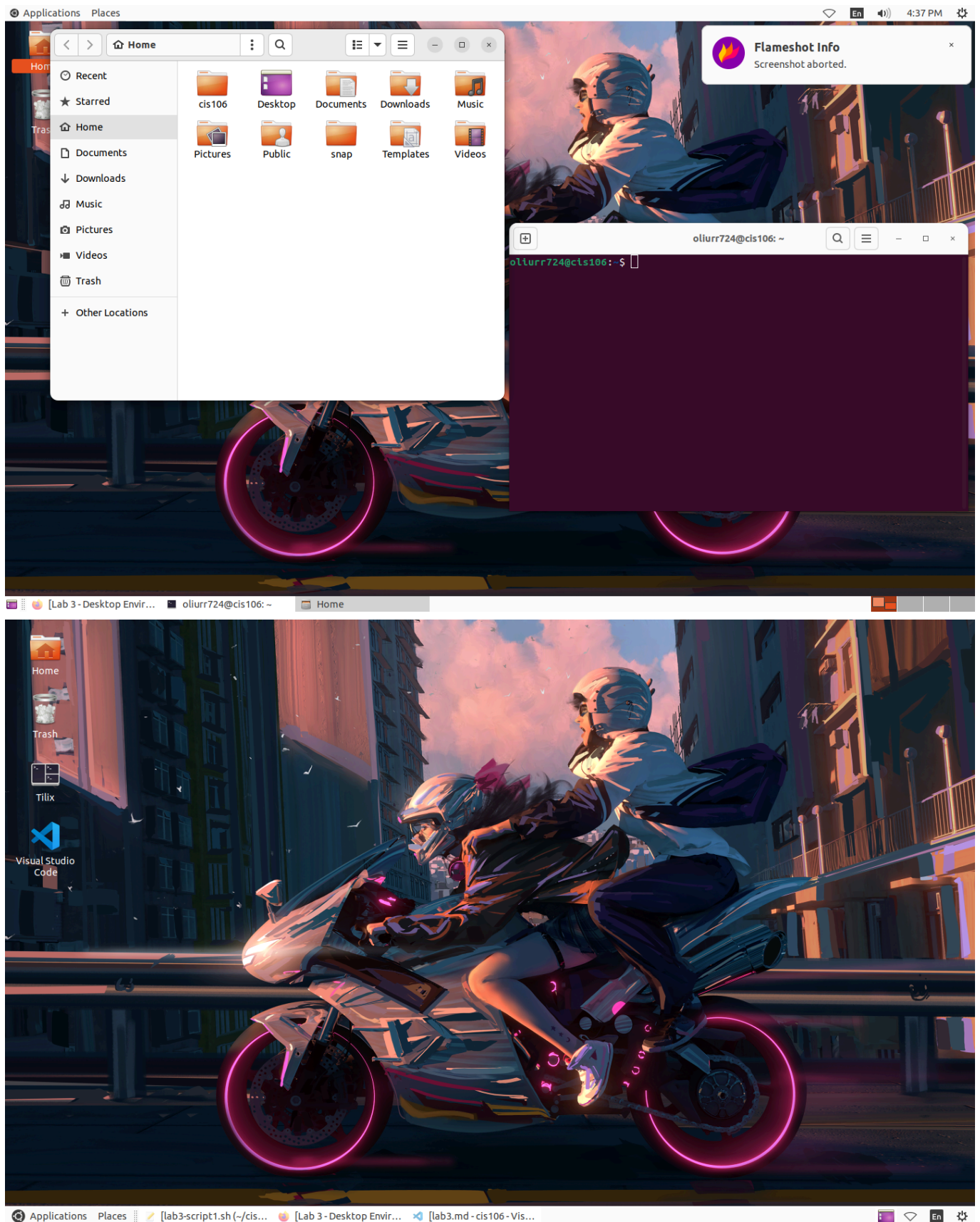
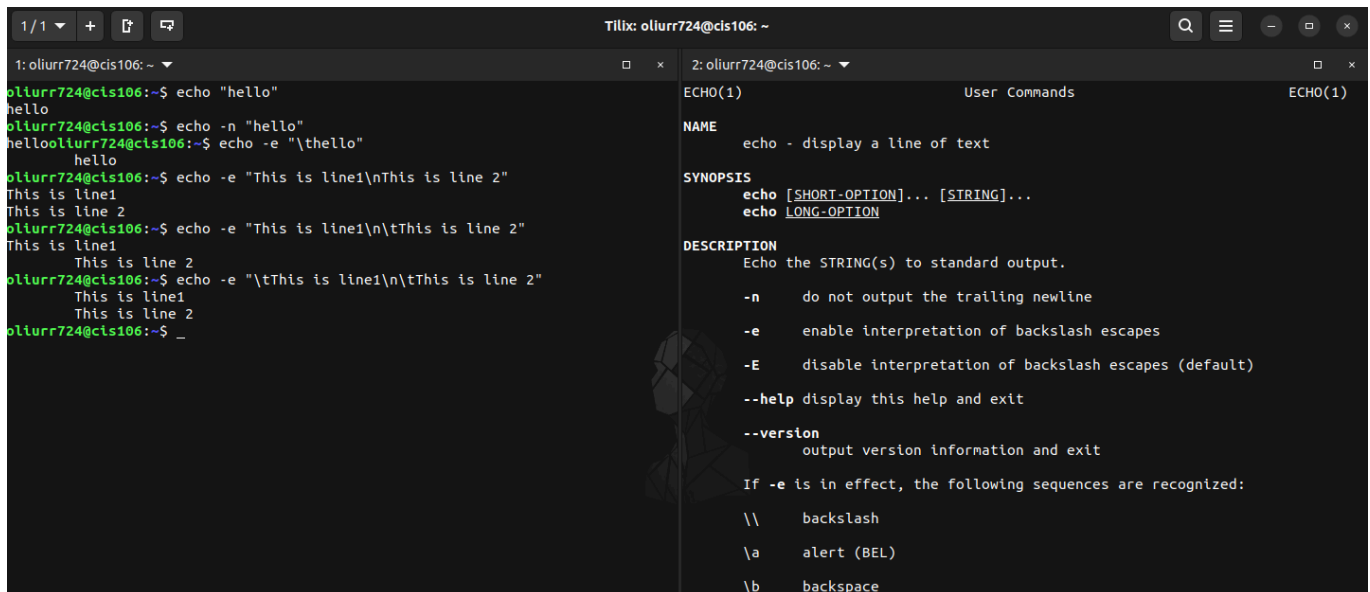


Lab 3 Submission

Question 1



Question 2

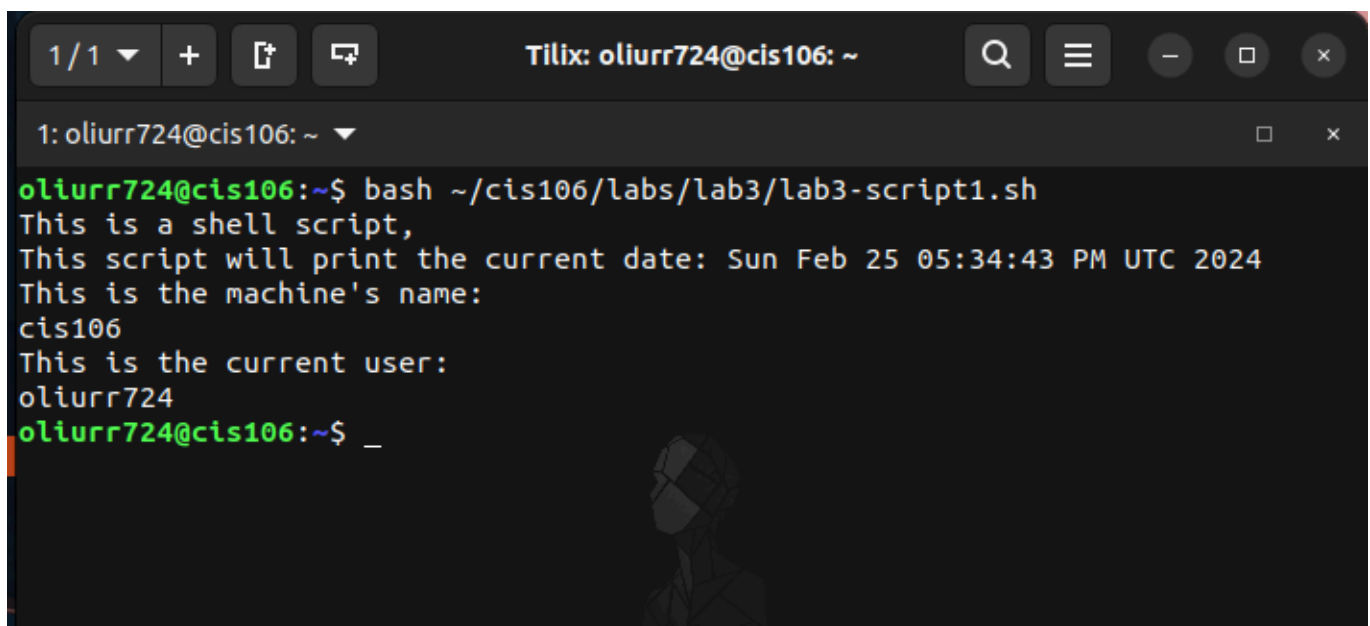


The screenshot shows a terminal window with two panes. The left pane shows the execution of the 'echo' command with various options: 'echo "hello"', 'echo -n "hello"', 'echo -e "\thello"', 'echo -e "This is line1\nThis is line 2"', 'echo -e "This is line1\n\tThis is line 2"', and 'echo -e "\tThis is line1\n\t\tThis is line 2"'. The right pane shows the help text for the 'echo' command, including its name, synopsis, description, and a list of options: '-n', '-e', '-E', '--help', and '--version'.

```
1: oliurr724@cis106: ~  
oliurr724@cis106:~$ echo "hello"  
hello  
oliurr724@cis106:~$ echo -n "hello"  
hellooliurr724@cis106:~$ echo -e "\thello"  
hello  
oliurr724@cis106:~$ echo -e "This is line1\nThis is line 2"  
This is line1  
This is line 2  
oliurr724@cis106:~$ echo -e "This is line1\n\tThis is line 2"  
This is line1  
This is line 2  
oliurr724@cis106:~$ echo -e "\tThis is line1\n\t\tThis is line 2"  
This is line1  
This is line 2  
oliurr724@cis106:~$ _
```

2: oliurr724@cis106: ~
ECHO(1) User Commands ECHO(1)
NAME
echo - display a line of text
SYNOPSIS
echo [SHORT-OPTION]... [STRING]...
echo LONG-OPTION
DESCRIPTION
Echo the STRING(s) to standard output.
-n do not output the trailing newline
-e enable interpretation of backslash escapes
-E disable interpretation of backslash escapes (default)
--help display this help and exit
--version
output version information and exit
If -e is in effect, the following sequences are recognized:
\\ backslash
\a alert (BEL)
\b backspace

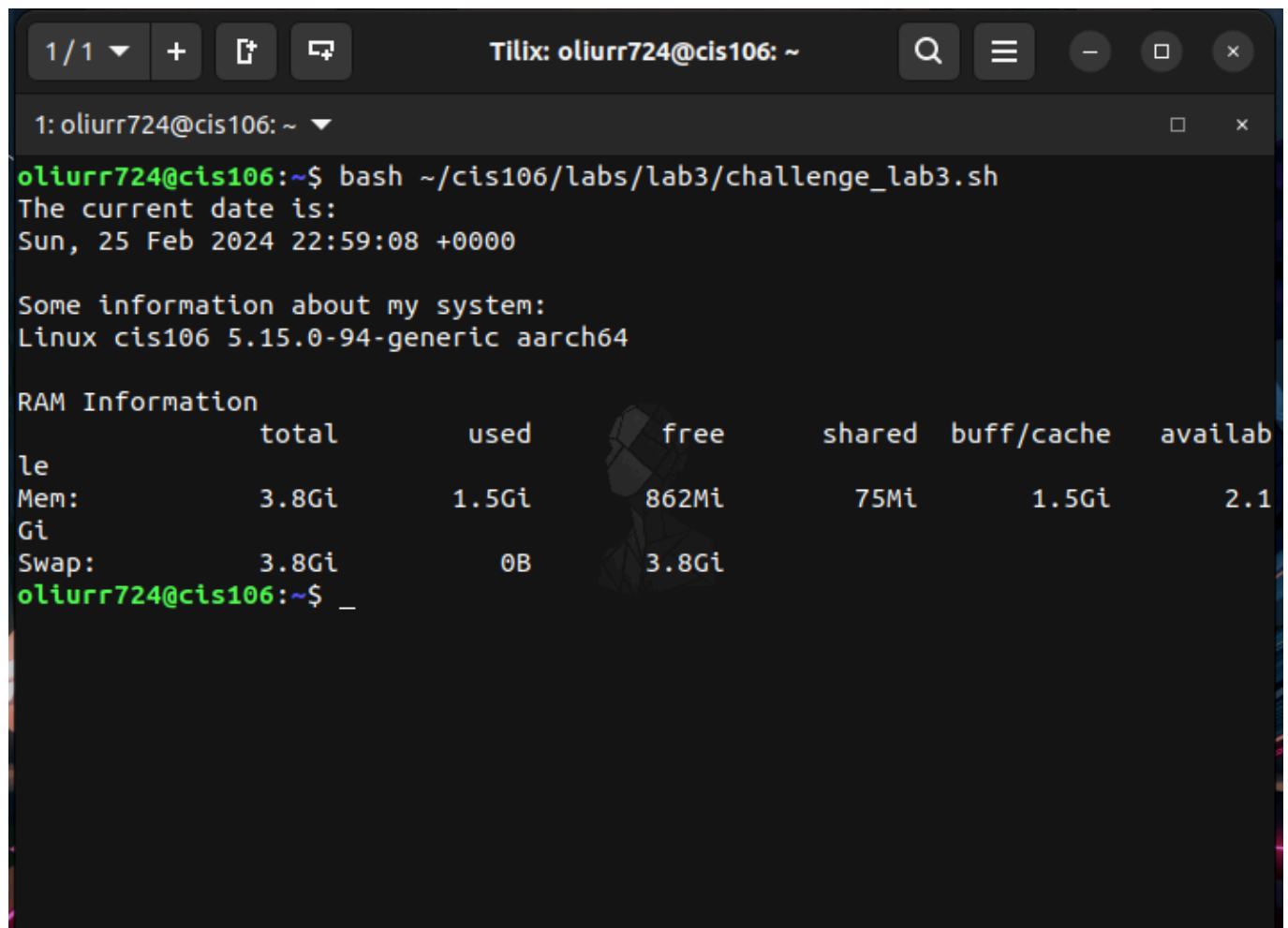
Question 3



The screenshot shows a terminal window where a shell script is being executed. The script prints the current date, the machine's name, and the current user.

```
1: oliurr724@cis106: ~  
oliurr724@cis106:~$ bash ~/cis106/labs/lab3/lab3-script1.sh  
This is a shell script,  
This script will print the current date: Sun Feb 25 05:34:43 PM UTC 2024  
This is the machine's name:  
cis106  
This is the current user:  
oliurr724  
oliurr724@cis106:~$ _
```

Challenge Question

A terminal window titled 'Tilix: oliurr724@cis106: ~' showing the execution of a script. The script outputs the current date and system information. The RAM information is displayed in a table format. The terminal window has a dark theme and standard window controls.

```
1/1 + [?] [x] Tilix: oliurr724@cis106: ~ [Q] [≡] [-] [□] [x]
1: oliurr724@cis106: ~ ▾
oliurr724@cis106:~$ bash ~/cis106/labs/lab3/challenge_lab3.sh
The current date is:
Sun, 25 Feb 2024 22:59:08 +0000

Some information about my system:
Linux cis106 5.15.0-94-generic aarch64

RAM Information
      total      used      free      shared  buff/cache   availab
le
Mem:    3.8Gi    1.5Gi    862Mi    75Mi    1.5Gi    2.1
Gi
Swap:   3.8Gi      0B    3.8Gi
oliurr724@cis106:~$ _
```

Script Source code:

[lab3](#)